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REPORTED EARTHQUAKES ON THE PACIFIC COAST.

FROM RECORD IN OFFICE OF FREDERICK G. PLUMMER, C. E.

NATIONAL GUARD OF WASHINGTON,
Chief Engineer's Office.
TACOMA, March 3, 1896.

Dr. E. S. HOLDEN, Director LICK Observatory, Cal.

Sir:—The following list of earthquakes for the Pacific Coast, from Alaska to Oregon, is submitted as a memorandum of such seismic events as have been tabulated by me from data collected during the past eleven years. The list is mainly valuable as a table to which corrections and additions can be made, and should not be taken as complete or correct. I shall be glad to receive any such corrections or additions.

Very truly,

FRED. G. PLUMMER.

TIME.			LOCATION.	Intensity.	REMARKS.
Year.	Day.	h. m. s.			
1786	....	....	Pavloff .... A.	X	With volcanic eruption.
1788	......	......	Shumagin ..... A.	....	With tidal wave.
1788	July 27	....	Sannak Island .... A.	...	Overflowed by tidal wave.
1788	July 27	......	Ailiaska .... A.	...	Tidal wave.
1796	May	......	Bogoslov .... A.	...	With eruption.
1802	......	......	Unalashka ...... A.		....
1812	......	......	Atka .... A.	X	....
1817	April	....	Umnak .... A.	X	....
1818	......	......	Makushin .... A.	....	....
1826	June	....	Unalashka. ...... A.	....	Two.
1827	June	....	Copper Island. ... A.	....	....
1833	June 29	13 40 00	Fort Nisqually.... W.	II	....
1836	April 2	....	Pribyloff Islands... A.	X	....
1836	August	....	Pribyloff Islands... A.	X	....
1847	....	....	St. Paul's Island... A.	VI	....
1854	....	....	Kaviak ...... A.	IV	....
1856	Dec. 26	....	Port Townsend... W.	....	....
1857	Sept.	....	Birch Bay. ..... W.	...	....
1860	May 7	....	Port Townsend... W.		....
1864	Oct. 29	Night	Victoria ...... B. C.	VI	....
1865	June 12	....	Victoria ...... B. C.	.	Several.
1865	Aug. 25	....	Victoria ...... B. C.	IV	....
1866	Dec.	....	Dalles .... O.	III	....
1867	August	..	Lower Yukon .... A.	..	....
1867	Jan. 8	Morning	Klamath .... O.	VIII	....
1868	May 30	.....	Mukelteo. ..... W.	...	....
1870?	Late	Night	Puget Sound..... W.	VII	Several old settlers insist that there were severe shocks, but none can state the day or time. Possibly they mistake the year for 1872.
1871	May 19	....	Tacoma. .... W.	. .	....
1872	Dec. 14	21 40 30	Puget Sound...... W.	....	One shock.
1872	Dec. 14	21 46 00	Puget Sound...... W.	VII	Three shocks.
1872	Dec. 14	22 00 00	Puget Sound..... W.	....	Several shocks.
1872	Dec. 14	23 00 00	Puget Sound...... W.	....	Several shocks.
1872	Dec. 15	3 00 00	Puget Sound...... W.	...	Several shocks.
1872	Dec. 15	5 00 00	Puget Sound...... W.	...	One shock.

TIME.			LOCATION.	Intensity.	REMARKS.
Year.	Year.	h. m. s.			
1872	Dec. 16	9 17 30	Puget Sound......W.	....	One shock.
1872	Dec. 16	....	Eugene............O.	....	One shock.
1873	Jan. 9	....	Tacoma.......... W.	II	....
1873	Nov. 22	21 00 00	Tacoma.......... W.	III	....
1873	Dec.	....	Olympia..........W.	IV	Three shocks.
1874	?	....	Tacoma...........W.	II	....
1877	Oct. 12	9 00 00	Cascades...... O.	....	....
1877	Oct. 12	13 53 00	Cascades...... ...O.	....	....
1879	?	. .	Portland....... .. O.	.	....
1880	Dec. 6	17 54 00	Puget Sound......W.	IV	....
1880	Dec. 10	5 00 00	Puget Sound.. .. W.	IV	....
1880	Dec. 12	20 40 00	Victoria to Portland	VII	....
1880	Dec. 20	23 16 00	Puget Sound......W.	IV	....
1882	April 30	22 48 00	Portland.... .....O.	....	....
1883	June ?	....	Tacoma ....W.	III	....
1883	Sept. 28	00 00 10	Portland..........O.	...	Two shocks.
1884	Jan. 3	20 40 00	Portland...... .. O.	...	One shock.
1884	Sept. 21	22 30 00	Tacoma ....W.	....	....
1885	May 3	23 30 00	Olympia..........W.	II	At intervals for two hours.
1885	Oct. 9	8 00 00	Olympia... ..... W.	III	....
1885	Oct. 10	1 30 00	Portland.......... O.	II	Three shocks.
1885	Dec. 8	22 12 00	Victoria .... .. B. C	....	....
1885	Dec. 8	22 40 00	Tacoma . ...W.	....	....
1885	Dec. 18	0 30 00	Tatoosh Island...W.	....	....
1889	Fall	18 00 00	Puyallup.. ....W.	II	Several.
1891	Mar. 8	....	Olympia......... W.	III	....
1891	Mar. 15	20 00 00	Roslyn......... ...W.	III	....
1891	Mar. 29	14 30 00	Roslyn.............W	III	....
1891	Sept.	....	Tacoma ..... W.	II	Several.
1891	Nov. 29	15 15 00	Tacoma .. . .W.	II	Two shocks.
1802	March	21 30 00	Kalama.......... W.	..	....
1892	Apr. 17	14 55 00	Tacoma ....W.	II	Two.
1892	Apr. 17	14 55 00	Castle Rock......W.	II	Two.
1893	Feb. 16	....	Sidney............W.	II	....
1893	Aug. 14	5 07 00	Toutle River . ...W.	IV	Vertical. Rumblings.
1893	Aug. 14	5 07 00	GreenRiverMines.W.	IV	Lateral. Rumblings.
1894	Apr. 15	20 56 00	Ellensburg.. .....W.	III	Ten seconds.
1894	May 23	22 30 00	Tacoma ....W.	II	....
1895	Feb. 25	4 47 00	Portland. ....O.	III	Three shocks.
1895	Feb. 25	4 47 00	Tacoma ....W.	III	Three shocks.
1895	Feb. 25	4 47 00	GreenRiverMines.W.	V	Three shocks.

A.=Alaska. B. C.=British Columbia. W.=Washington. O.=Oregon.

OBSERVATIONS OF *MIRA CETI* (1895–96).

BY MISS ROSE O'HALLORAN.

[Abstract.]

Having made a diagram of the telescopic stars surrounding o *Ceti* in the beginning of 1895, I was able to identify it early in last October, when at its dimmest phase, or of the same magnitude as the gray-tinted orb which is 116 seconds distant from it. Though observed on every clear night since, I select from the record only those dates when a decided increase or decrease of brightness was detected, as the omitted observations are chiefly repetitions.